



European Patent Office
Office européen des brevets



(11) EP 0 918 257 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 19.01.2000 Bulletin 2000/03

(51) Int. Cl.⁷: **G03G** 5/05, G03G 5/147, G03G 5/07

(43) Date of publication A2: 26.05.1999 Bulletin 1999/21

(21) Application number: 98121521.3

(22) Date of filing: 13.11.1998

(84) Designated Contracting States:

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU

MC NL PT SE

Designated Extension States:

AL LT LV MK RO SI

(30) Priority: 21.11.1997 US 976004

(71) Applicant: Xerox Corporation Rochester, New York 14644 (US)

(72) Inventors:

 Fuller, Timothy J. Pittsford, New York 14534-4023 (US)

Teuscher, Leon A.
 Williamsville, New York 14221 (US)

Yanus, John F.
 Webster, New York 14580 (US)

Pai, Damodar M.
 Fairport, New York 14450 (US)

Carmichael, Kathleen M.
 Williamson, New York 14589 (US)

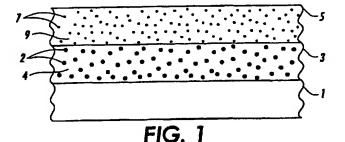
Grabowski, Edward F.
 Webster, New York 14580 (US)

 Zukoski, Paul F. Henrietta, New York 14467 (US)

(74) Representative:
Grünecker, Kinkeldey,
Stockmalr & Schwanhäusser
Anwaltssozietät
Maximilianstrasse 58
80538 München (DE)

(54) Imaging members containing high performance polymers

(57) Disclosed is an imaging member which comprises a conductive substrate, a photogenerating material, and a binder which comprises a polymer of the formulae I, II, III, IV, V, VI, VII, VIII, IX, or X as further defined herein.





EUROPEAN SEARCH REPORT

Application Number EP 98 12 1521

Category	Citation of document with ir of relevant passa	dication, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.6)	
X	EP 0 501 455 A (FUJI) 2 September 1992 (1992-09-02) * claims 1-8 *		1-6	G03G5/05 G03G5/147 G03G5/07	
X	PATENT ABSTRACTS OF vol. 13, no. 73 (P- 20 February 1989 (1 & JP 63 259571 A (A 26 October 1988 (19 * abstract *	1-6			
X	PATENT ABSTRACTS OF vol. 14, no. 158 (P 27 March 1990 (1990 & JP 02 013961 A (I 18 January 1990 (19 * abstract *	-1027) [4101], -03-27) DEMITSU KOSAN),	1-6		
Α	PATENT ABSTRACTS OF JAPAN vol. 14, no. 329 (P-1076) [4272], 16 July 1990 (1990-07-16) & JP 02 109055 A (KONICA), 20 April 1990 (1990-04-20) * abstract *		1	TECHNICAL FIELDS SEARCHED (Int.CI.6)	
A	EP 0 458 651 A (MATSUSHITA) 27 November 1991 (1991-11-27) * claim 1 *		1		
A	US 3 900 693 A (J.F 19 August 1975 (197 * claim 1 *	2.WYH0F) '5-08-19)	1		
	The present search report has	been drawn up for all claims			
	Place of search	Date of completion of the sea		Examiner	
	THE HAGUE	6 September 1	999 VAI	NHECKE H.	
X:per Y:per doc A:bed O:not	ATEGORY OF CITED DOCUMENTS ticularly relevant if taken alone ticularly relevant if combined with anot ument of the same category hnological background written disclosure smediate document	E : earlier pats after the fill her D : document L : document	oited in the application cited for other reasons	ished on, or	



Application Number

EP 98 12 1521

CLAIMS INCURRING FEES
The present European patent application comprised at the time of filing more than ten claims.
Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.
LACK OF UNITY OF INVENTION
The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:
see sheet B
All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims: 1-7,8(partial, page 227 to page 241),9



LACK OF UNITY OF INVENTION SHEET B

Application Number

EP 98 12 1521

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims: 1-7, 8(partial, page 227 to page 241), 9

Imaging member comprising a binder comprising a polymer containing a -phenyl-(-A-)x--phenyl-0-B-0- group (see formulae I to X in claim 1; with A and B as defined on pages 180 to 184)

2. Claim : Claim 8 partial (pages 207 to page 227 (paragraph 1))

Imaging member comprising a binder comprising a polymer containing: -D-O-B-O- groups, wherein B the same as in previous subject and D: a perfluorinated diphenyl-group or a perfluorinated benzophenone group

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 98 12 1521

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

06-09-1999

JP 6	01455 3259571	A			date
JP 0			02-09-1992	JP 4271356 A	28-09-199
		A	26-10-1988	NONE	
JP 0	2013961	Α	18-01-1990	JP 2676528 B	17-11-199
	2109055	A	20-04-1990	JP 2593348 B	26-03-199
EP 4!	58651	A	27-11-1991	JP 4029245 A JP 4029246 A JP 4029247 A JP 4174852 A JP 4174853 A JP 4174854 A DE 69101338 D DE 69101338 T US 5304444 A	31-01-199 31-01-199 31-01-199 23-06-199 23-06-199 23-06-199 14-04-199 01-09-199
JS 3	900693	A	19-08-1975	US 3865789 A JP 936966 C JP 50021092 A JP 53015873 B	11-02-197 26-12-197 06-03-197 27-05-197

o For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

		8 -	- (